

Sea Algae and Saproels as Sources of Vitamin. B₁₂.

20-4-37/60

nowadays the independent activity of synthesis of the vitamin B₁₂ by the algae is denied and its accumulation is sought to be explained by the activity of epiphytic bacteria, it is interesting that the highest vitamin content is found to occur in the algae (Callithamnion and Enteromorpha) which inhabit the most polluted places. Since the microorganisms are the ultimate source of vitamin B₁₂ and since traces of it were found in the bottom, in the mud of stagnant waters as well as in deposits of sea mud and in suspended particles in marked quantities (detritus and plankton), the authors examined the sapropels, i.e. claylike organic deposits of the lakes. Thus from the Piyavochnoye, region of Kalinin, where in spite of 10-12 years conservation considerable quantities of vitamin B₁₂ could be determined. It was used for the determination of E. coli. Then freshly gathered sapropel samples from the lakes Zhuvintas ("Histrophe") and Disna as well as Budryu (Lithuania) were investigated for their content of the true vitamin (cyanogen cobalt-amine). Tab. 2 here shows a very

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high content of vitamin B₁₂ whose level considerably surpasses published data. Since E.coli also responds to pseudovitamins which are of no value for the use of animals, a chromatographic analysis on paper was made. By this no pseudovitamin could be determined. This was still more convincingly confirmed by the use of the specific microorganism Ochromonas malhamensis for this purpose (tab. 3). Thus the sapropels can be considered a very rich new source of the true vitamin B₁₂. This is of great practical and scientific interest and invites more thorough investigations. There are 1 figures, 2 tables and 3 Slavic references. Institute for Biochemistry AN USSR imeni A.N. Bakh. (Institut biokhimii imeni A.N. Bakha Akademii nauk SSSR) By A.I. Oparin, Academician, May 13, 1957 May 9, 1957. Library of Congress.

ASSOCIATION:

PRESENTED:

SUBMITTED:

AVAILABLE:

CARD 3/3

DECLASSIFIED

PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON ENZYME CHEMISTRY, Tokyo & Kyoto, 1957
AUTHOR: Organizing Committee, International Symposium on Enzyme Chemistry, Tokyo, Japan, 1958.

Vitamin D and Protein-Sterol Complexes in Blood Serum

The enzyme fraction retains most of the activity of the original tissue extract for the hydrolysis of ascorbic acid. The activity of the enzyme is inhibited by *p*-chloromercuribenzoate and mercuric chloride and this inhibition is reversed by reduced glutathione.

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Discussion

4. L. LEONARDI, *Whitehead's Enzymes*, C. S. A.: 1960.

5. We and our recent work on the action of purified enzymes in catalyzing anabolic acid synthesis.

6. $\text{TPN} + \text{H}^+ + \text{D-glucuronic acid} \rightarrow \text{TPN} + \text{D-gluconic acid}$

7. $\text{L-glutamic acid} + \text{DPN}^+ \rightarrow \dots$

The action of cyanide described by Professor Guha appears

[illegible]

The conversion of *l*-glutanolactone into succinic acid in the presence of cyanide has not been found to require added DPM. This reaction, however, does not require the presence of cyanide.

Effect of Serum Complexes in Blood Serum

100-443887-1

U.S. GOVERNMENT PRINTING OFFICE: 1964

In recent years increasing interest has been attached to the investigation of hypotonic complexes because in many cases they reflect the refined biochemical changes which occur in the body under various conditions; thus, for example, a study of these complexes may cast light on novel aspects of metabolism related to hypotonic development or development of arteriosclerosis. (1,2,3)

E

reactions have been found to be effective and use the salts of free acids. It is noted that the second stage of the reaction is, the conversion of L-glutamate into L-glutamine, and that the conversion of L-glutamate into aspartate is competitive with the formation of L-glutamine from L-glutamate. However, the enzyme catalysing the former reaction is present in most animals, it is apparently weak or non-existent in the tissues of primates and the guinea pig. There are indications that some dislocation may be involved in the above reaction. Dr. S. G. Hatan (*Université de Louvain, Belgium*). We have previously described* an enzymatic system which is present in the terminal vesicles and in the placenta of sheep, and which catalyses the reduction of a great number of aldehydic groups, including β -glutamate, according to the general equation:

$$\text{H}_2\text{C}=\text{O} + \text{TPNH} + \text{H}^+ \rightarrow \text{CH}_2\text{OH} + \text{TPN}^+$$

This enzyme has been named α -idone reductase. The liver of the rat and guinea pig contains a similar enzyme. It is not clear whether this has a strict specificity; it does not act on glucose or mannose, but acts on β -D-glucose-6-phosphate by the conversion of the ketone group to a hydroxyl group, depending on dehydrogenation, in the presence of a trace amount of NADP.

In intact tissues, the high degree of reduction of TP_{IV} would suggest a complete reduction of the ketone group to a secondary alcohol. B. C. GILL¹ has shown that the high level of reduced TP_{IV} in liver tissue is likely to reduce the gluconeoclasts to glucone-

V. N. BRYAN (London of Science, U.S.S.R.): I should like to ask Dr. Guba how he explains that in experiments the symptoms of pyrepsia and thallia do not synthesize acetic acid, while in the case of *Thalassiosira weissflogii* and *S. C. Guba*, it has recently been shown by Lehninger and his co-workers that these organisms do synthesize acetic acid. Are the enzymes, synthesis of acetic acid occurs in the salinity of the medium, or is it the issue of birds and not in the water. The secondary products of the metabolism of the organisms of *Thalassiosira weissflogii* and *S. C. Guba* have been observed in salinity but not in the unsaturated solution. In connection with the question of Dr. Guba, I would like to point out that in reptiles and birds, the synthesis occurs in the salinity whereas in mammals it occurs in the liver.

1. Mrs. W. H. Burton, at Prophet's Arms Co. 220 10th St.
2. Mrs. W. H. G. - La mortification de l'orgueil - Editions A. B. C. de la Mortification.

29. Clarke, G. K., and William F. Burdick. *J. Ed. Res.*

been accumulated, the problem still remains to be solved in accord with the foregoing. We have made an attempt to characterize from a new angle the changes in blood serum which occur during rickets as hypophosphatemia. With this purpose in mind we directed our attention to changes which pre- or post-rickets are undetectable. Experiments were performed with rats, chicks and rabbits and in all cases the results were found to be satisfactory. We shall describe here only the es-

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(MIRA 11:7)

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lithotomy and lithotrity of urinary calculi." Nov.khir.arkh. no.6:
112-113 N-D '59. (MIRA 13:4)
(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)
(BUIAL'SKII, I.V.)

YEGOROV, Aleksey Dmitriyevich; BUKIN, V.N., prof., otv.red.; POVOLOTSKAYA,
K.L., red.izd-va; TIKHOMIROVA, S.G., tekhn.red.

[Chemical composition of forage plants of Yakutia; meadow and
pasture plants] Khimicheskii sostav kormovykh rastenii Iakutii;
lugov i pastbishch. Moskva, Izd-vo Akad.nauk SSSR, 1960. 335 p.
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BUKIN, V.N.

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244 J1-Ag '60. (MIRA 14:3)

1. Institut biokhimii imeni A.N.Bakha AN SSSR, Moskva.
(CYANOCOBALAMINE)

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Biochemical research in Japan. Vest.AN SSSR 30 no.9:78-82
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(Japan--Biochemistry)

BUKIN, V. N., POCHINKINA, V. V., and MANTROVA, G. V. (USSR)

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Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

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BUKIN V. N. (USSR)

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(CYANOCOBALAMINE) (METABOLISM)

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(CYANOCOBALAMINE) (PORPHYRIN AND PORPHYRIN COMPOUNDS)

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Producing vitamin B₁₂ by processing waste products of the distilling industry with thermophilic methane bacteria. Vit. res. i ikh isp. no.5:90-111 '61. (MIRA 15:1)

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33 no.4:22-37 Ap '63. (MIRA 16:4)
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Report to be presented at Medical Society of J. E. PURKYNE, Czech,
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T.A., red. izd-va; RYLINA, Yu.V., tekhn. red.

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(Stock and stockbreeding—Feeding and feeds)
(Agricultural chemistry)

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Using enriched media in the biosynthesis of vitamin B₁₂ by
methane-producing bacteria. Vit. res. 1 kn isp. no.6.52-55
163.
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VELIKOSLAVINSKAYA, O.I.; GRIGOR'YEVA, L.F.; BUKIN, V.N.

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Moskva.

BUKIN, V.N., otv. red.; MIKHLIN, E.D., red.

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Microbiological synthesis of L-lysine. Prikl. biokhim. i
mikrobiol. 1 no.4:396-403 J1-Ag '65.

(MIRA 18:11)

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BUKIN, V.R.

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(MIRA 14:6)

(Chimpanzees)

VEKSLER, M.A.; BUKIN, V.V.

Some problems in the automation of technological processes in
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16 no.5:6-11 My '62. (MIRA 15:9)

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institut imeni S.Ordzhonikikze.
(DRUG INDUSTRY)

L 10398-63

ACCESSION NR: AP3C02249

EWP(q)/EWT(m)/BDS--AFFTC/ASD--JD

S/0128/63/000/006/0010/0012

AUTHOR: Yazovskikh, I. M.; Gorbachev, I. M.; Bukin, Yu. A.

TITLE: Heat-resistant Cr-Mn steel for cast furnace parts

SOURCE: Liteynoye proizvodstvo, no. 6, 1963, 10-12

TOPIC TAGS: Cr-Mn steel, heat-resistant steel, fluidity, hot cracking susceptibility, oxidation resistance, mechanical properties, applications

ABSTRACT: The Chelyabinsk NIPTIAMMASH has developed a nickelfree heat- and oxidation-resistant Cr-Mn steel for cast parts of furnaces working at 800--1100C. The best combination of mechanical properties was obtained in as-cast (not heat-treated) steel containing 0.55--0.65% C, 2.0--2.5% Si, 15--17% Mn, 15--17% Cr, and 0.30--0.60% Ti, deoxidized in a ladle with 0.2% Al and poured at 1500C. Mechanical properties of Cr-Mn steel at 20, 800, and 950C compared with those of Cr-Ni steels Kh18N9L [cast AISI-302] and Kh18N20S2I [cast, 18% Cr, 20% Ni, 2% Si] are shown in Table 1 of Enclosure. Oxidation resistance of Cr-Mn steel up to 800C is lower than Cr-Ni and Cr-Ni-Si steels, but with temperature increased to 950C the difference diminishes. Castability of the new steel is better and susceptibility to hot cracking lower than those of Cr-Ni and Cr-Ni-Si steels.

Card 1/b/

L 23063-65 EWT(m)/EWA(d)/EWP(t)/EWP(b) MJW/JD

ACCESSION NR: AR4039998

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SOURCE: Ref. zh. Mashinostr. mat. konstr. i raschet detal. mash. Otd. vyp. . 20
Abs. 4.48.48 13

AUTHOR: Yazovskikh, I. M.; Gorbachev, I. M.; Bukin, Yu. A.

TITLE: Chromium-manganese heat resistant steel for furnace accessory castings

CITED SOURCE: Sb. Novoye v liteyn. proiz-va. Gor'kiy, 1963, 136-144

TOPIC TAGS: furnace accessory casting, chromium manganese steel, heat resistant steel

TRANSLATION: Chromium-manganese steel containing 15-17% Cr and 15-17% Mn has a service life approaching that of the Cr-Ni steels Kh18N9 and Kh18N25S2, and can be recommended as a substitute material in the manufacture of heat resistant furnace accessory castings operating at 800-1000 C.

SUB CODE: MM, 1E

ENCL: 00

Card 1/1

ROZHANSKIY, Z.Ye., inzh.; BUKI, Yu.M., inzh.

Broadening of the setting limits of RT-80 relays. Elek. sta.
34 no.3:82 Mr '63. (MIRA 16:3)

(Electric relays)

KLEBANOVA, Ye.A.; KOMAROVA, A.N.; BUKIN, Yu.V.

Aleksandra Kornil'evna Koveshnikova; on her 70th birthday. Arkh.
anat.gist.i embr. 39 no.11:125-127 N '60. (MIRA 14:5)
(KOVESHNIKOVA, ALEKSANDRA KORNIL'EVNA, 1890-)

BUKIN, Yu.V.; ORLOV, Yu.A.; SMIRNOV, A.A.

In memory of Aleksei Petrovich Bystrov. Arkh.anat.gist.i embr.
38 no.2:121-124 F '60. (MIRA 14:6)
(BYSTROV, ALEKSEI PETROVICH, 1899-1959)

BUKIN, Yu.V. (Leningrad, K-44, K.Marksa, 63, kv.5)

"Transactions of the Institute of Experimental Morphology of the
Academy of Sciences of the Georgian S.S.R." Vol. 7, 1959. Reviewed
by Yu. V.Kukin. Arkh. anat. gist. i embr. 40 no.3:102-103 Mr '61.
(MORPHOLOGY) (MIRA 14:5)

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Abdumalya Ismail Kazakhbay SSR. Institut yadernoy fiziki
Trudy/Laboratory metallurgiya i fiziki metallov, tom 2 (Transactions
of the Institute of Metallurgy and Physics of Metals, Vol. 2)
/Laboratory for Metallurgical Science and Physics of Metals/ Vol. 2)
Almaty, Izd-vo AN Kazakhbay SSR, 1979. 159 p. 1,000 copies printed.

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Grishin, L.I. Dautova, I.O. Dos'yankov, D.K. Kaloy (Resp. Ed.),
S.F. Kalinin, A.A. Presnyakov, and Zh. S. Taktibayev.

PURPOSE: This is a collection of articles intended for research scientists,
factory laboratory personnel, engineers, technicians, and also students and
apprentices in metallurgy and physics of metals.

CONTENT: The collection contains research reports which investigate the depend-
ency of alloy properties on their chemical and phase states in a wide range of
temperatures down to melting point and set forth much factual material on
aluminum, copper, nickel, and other alloys. Theoretical ideas on plasticity
and superplasticity, which are described as new, and hypotheses on reasons for
the lowered plasticity of solid solutions are propounded on the basis of experi-
mental data. No personalities are mentioned. References are given at the
end of each article.

Presnyakov, A.A., and A.V. Korikov. Study of the Mechanical Properties
of Cu-Zn Alloys With Zinc, Phosphorus, Lead, and Nickel Additives

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Presnyakov, A.A., and M.D. Sukharova. The Structure of Zinc Base
Alloys 146

Korikov, A.V., M.I. Tsypin, and G.F. Fridman. The Problem of
Liquation Phenomena in Ingots of Bronze OTS 4-4-2.5 151

Reberkin, B.P. The Structural Nature of the Influence of Free
Elements During the Spectral Analysis of Silicon Bronze 155

KHOT'KO, A.Ye., kand.sel'skokhozyaystvennykh nauk; BUKIN, Ye.P., nauchnyy
sotrudnik

Fertilizer placement for winter wheat and corn. Zemledelie 7 no.3:52-58
Mr '59. (MIRA 12:4)

1. Luganskaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Wheat--Fertilizers and manures)
(Corn (Maize)--Fertilizers and manures)

BUKIN, Yu.V.; GERLOVIN, Ye.Sh.; YAKOVLEVA, Ye.S.

Survey of the sessions of the Leningrad Society of Anatomists,
Histologists, and Embryologists in 1959-1960. Arkh. anat. gist.
i embr. 40 no.3:108-115 Mr '61. (MIRA 14:5)
(LENINGRAD-ANATOMICAL SOCIETIES)

BUKIN, Yu.V. (Leningrad, K-44, K.Marksa, 63, kv. 5)

"Problems of morphology," no.1. (Collection of articles of the Lvov Medical Institute, vol. 18, 1959). Reviewed by IU.V.Bukin. Arkh. anat. gist. i embr. 40 no.2:106-108 F '61. (MIRA 14:5)
(MORPHOLOGY)

YAZOVSKIKH, I.M.; BUKIN, Yu.A.; GORBACHEV, I.M.

Effect of deoxidizers on the mechanical properties of low-alloy
steel. Lit. proizv. no.10:3-4 0 '63. (MIRA 16:12)

BUKIN, Ye. [Bukin, IL.]

We are lowering construction costs of livestock buildings. Sil'.
bud. 9 no.6:12-14 Je '59. (MIRA 12:9)

1. Golovniy inshener-budivel'nik Khersons'kogo oblasnogo upravlinnia
radgospiv.
(Kherson Province--Farm buildings)

BUKIN, Ye.

We are building new state-farm villages. Sil'.bud. 10 no.6:3-4
Ja '60. (MIRA 13:6)

1. Glavnyy inzh.-stroitel' Khersonskogo oblastnogo upravleniya
sovkhozov.

(Kherson Province--City planning)

BUKIN, Ye. [Bukin, IE.]

Green light for precast reinforced concrete. Sil'. bud.

ll no. 2:15-16 F '61.

(MIRA 14:2)

1. Glavnyy inzhener-stroitel' Khersonskogo oblupravleniya
sovkhozov.

(Kherson Province—Precast concrete)

PRESNYAKOV, A.A.; BUKIN, V.V.; MIRONENKO, Yu.P.

Determination of average specific pressures in hot rolling of
nonferrous metals and alloys. Trudy Inst. ind. fiz. AN Kazakh.
SSR 2:129-138 '59. (MIRA 13:3)
(Rolling (Metalwork))

BUKIN, Yu. V.

"Book Review of N. V. KOLESNIKOV'S Handbook of Anatomy and Histology of Man"
Fel'dsher i Akusher., No 5, 1949. Hd. Lecturer of Anat. Chair Order Labor Red
Banner Inst. Phys. Culture Sport & V.I. LENIN.

BUKIN, Yu. V.

Variations of umbilical vessels. Akush. gin., Moskva no. 4:76-77
July-Aug. 1952. (CML 23:2)

1. Leningrad.

BUKIN, Yu. V. (Review)

Anatomy Human. "Human Anatomy " N.V. Kolesnikov. Reviewed by
Yu. V. Bukin. Fel'd. i. akush. No 6, 1952.

Monthly List of Russians Accessions. Library of Congress, Sept 1952
Uncl.

BUKIN, Yu. V.

US:R GROWTH. Post natal developement of organs in man. F. I.
VAL'KER. Reviewed by ~~HEX~~ Yu.V. BUKIN, Pediatria,
no 1, 1952.

Monthly List of Russian Accessions, Library of Congress. May 1952
Uncl.

BUKIN, Yu. V.

"On the morphology of the abdominal section of 'wandering' nerves", Report 2, Yu. V. Bukin,
"The anatomy of the ventral cord", Trudy Voen.-mor. med. akad., Vol. XI, 1948, p. 91-99,-
Bibliog: 12 items.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

BUKIN, Yu.V.

P.F.Lesgaft and the roentgen method in anatomy. Vest.rent.i rad. no.2:
75-80 Mr-Apr '53. (MLRA 6:6)

1. Kafedra anatomii Krasnoznamennogo instituta fizicheskoy kul'tury i
sporta imeni V.I.Lenina. (Lesgaft, Petr Frantsevich, 1837-1909)
(Diagnosis, Radioscopic) (Anatomy, Human)

BUKIN, Yu.V. (Leningrad).

~~Anna Adamovna Krasuskaia~~ (1854-1941) the first Russian woman to hold the post
of professor of anatomy. Fel'd.i akush. no.11:47-52 N '53. (MIRA 6:11)
(Krasuskaia, Anna Adamovna, 1854-1941)

BUKIN, Yu.V.

Activities of P.F.Lesgaft as the director of the Saint Petersburg
Biological Laboratory. Arkh. anat. gist. i embr. 31 no.2:58-64
Ap-Je '54. (MLRA 7:8)

(LESGAFT, PETR FRANTSEVICH, 1837-1909)

(BIOLOGY, history,

*Russia, contribution of P.F.Lesgaft)

BUKIN, Yu.V.. (Leningrad)

O.P.Val'ter, professor of physiological anatomy. Medych.zhur. 24
no.6:107-111 '54. (MLRA 8:7)

(BIOGRAPHIES,

Val'ter, O.P.)

BUKIN, Yu.V., kandidat meditsinskikh nauk

"K.I.Shchepin - an 18th century physician." V.V.Kupriianov. Reviewed
by IU.V.Bukin. Vest. khir. 74 no.6:80-82 S '54. (MLRA 7:10)
(SHCHEPIN, KONSTANTIN I.)
(KUPRIIANOV, V.V.)

~~BUKIN, Y. K.~~ kandidat meditsinskikh nauk (Leningrad)

History of the institution of the prize of Honored Professor I.F.
Bush, academician. Vest. khir. 75 no.1:69-75 Ja-F '55. (MIRA 8:4)
(SURGERY, history,
in Russia, prize of I.F.Bush)
(BUSH, IVAN FEDOROVICH, 1771-1843)

BUKIN, Yu.V.; KUREPINA, M.M.

"Human anatomy," textbook for pedagogical institutes. G.M.Pavlov
Reviewed by Yu.V. Bukin, M.M. Kurepina. Arkh.anat.gist. 1 embr.
32 no.1:87 Ja-Mr '55. (MLRA 8:9)
(ANATOMY, HUMAN) (PAVLOV, G.M.)

BUKIN, Yu.V.

Anniversary session of the Leningrad Society of Anatomists,
Histologists, and Embryologists. Arkh.anat.gist. 1 embr. 32
no.1:91-92 Ja-Mr '55. (MLRA 8:9)
(ANATOMY--SOCIETIES)

BUKIN, Yu.V. (Leningrad)

Contribution of scientists of the Academy of Military Medicine
to roentgenology during the early period of its development.

Vest. rent. i rad. no. 4:89-95 J1-Ag '55. (MLRA 8:12)

(ROENTGENOLOGY, history

in Russia, contribution of scientists of War-med.
academy)

BUKIN, Yu.V

Scientific work of Prof. V.N. Tonkov as evaluated by his
contemporaries. Arkh. anat. gist. i embr. 32 no.3:96-100 J1-S '55.
(MLRA 9:5)

1. Iz kafedry normal'noy anatomii (nach.-prof. V.M. Godinov)
Voyenno-morskoy meditsinskoy akademii.

(BIOGRAPHIES,

Tonkov, Vladimir N.)

BUKIN, Yu.V., kandidat meditsinskikh nauk

On an error committed by I.V. Buial'skii's biographers. Vest.
khir.76 no.8:129 S '55. (MLRA 8:11)
(BUIAL'SKII, ILIA VASIL'EVCII, 1789-1866)

BUKIN, Yu.V.

Evaluation of N.I. Pirogov's works on anatomy and surgery by the
Russian Academy of Sciences. Khirurgia, no.11:71-74 N '55.

(MLRA 9:6)

(ANATOMY

contribution of N.I. Pirogov, evaluation by Russian
Academy of Science)

(SURGERY,
same)

BUKIN, Yu. V. (Leningrad)

Role of the Military Medical Academy in the development of Russian
medical literature. Fiziol. zhur. [Ukr.] 1 no.6:116-126 N-D '55.
(LENINGRAD--MEDICAL COLLEGES) (MLRA 10:1)

Bukin, Yu. V.
USSR/ Medicine - Physiology

Card 1/1 Pub. 22 - 25/43

Authors : Braunshteyn, A. Ye., Act. Memb., Acad. of Med. Sc., USSR, and Bukin, Yu. V.

Title : Fermentation oxidation of pyridoxine in the tissues of animal organisms

Periodical : Dok. AN SSSR 106/1, 95-98, Jan 1, 1956

Abstract : Experiments were conducted on rabbits and rats to determine the effects of a fermenting system which oxidizes pyridoxine in animal tissues. A study of liver homogenates taken from killed animals showed that the optimum pH zone of the medium for the oxidation of pyridoxine lies between pH 7.2 and 8.0. Tissues of kidneys, liver, small intestines, spleen, lungs, and from the retina were found to be the most active oxidizers. Tissues of the stomach and brains of rats were much less active in the oxidizing process. The absolute amounts of pyridoxine oxidized by animal tissues were found insignificant. Nine references: 7 USA and 2 USSR (1940-1953). Tables.

Institution : Acad. of Med. Sc., USSR, Inst. of Biol. and Med. Chem.

Submitted : August 23, 1955

BUKIN, Yu.V. (Leningrad)

"Manual on preparing specimens of human muscle, ligaments, vessels,
and nerves" by M.S. Spirov. Reviewed by Yu.V. Bokin. Arkh. anat.
gist. i embr. 33 no.1:98-99 Ja-Mr '56 (MIRA 12:1)
(ANATOMICAL SPECIMENS--COLLECTION AND PRESERVATION)
(SPIROV, M.S.)

BUKIN, Yu.V., kandidat meditsinskikh nauk (Leningrad, 44, pr. K.Marksa, d.63
kv. 5)

Manuals on topographic anatomy issued in Russia during the 19th
century. Vest.khir. 77 no.8:147-154 Ag '56. (MIR# 9:10)

1. Iz kafedry anatomii (nach. - prof. V.M.Godinov) Voenno-
morskoy meditsinskoy akademii.

(ANATOMY, hist.

manuals on topographic anatom. in Russia during
19th century)

(BOOKS

same)

BUKIN, Yu.V., kandidat meditsinskikh nauk

History of the election of N.I.Pirogov as a corresponding member of the Academy of Sciences. Vest.khir. 77 no.11:34-37 N '56. (MLRA 10:1)

1. Is kafedry anatomii (nach. - prof. V.M.Godinov) Voenno-morskoy meditsinskoy akademii.

(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)

Bukin, Yu. V.
BUKIN, Yu.V., kand.med.nauk (Leningrad, 44, pr. K.Marksa, d.63, kv.5)

Views of the Academy of Sciences on the first manual of operative surgery by Kh.Kh.Salomon. Vest.khir. 79 no.7:134-137 J1 '57.

(MIRA 10:10)

1. Iz kafedry anatomii (nach. - prof. V.M.Godinov) Voenno-morskoy meditsinskoy akademii.

(SURGERY, OPERATIVE, history)

Bukin, Yu. V.

BUKIN, Yu.V.

Response of the periodical press to the appearance of anatomo-surgical works by N.I.Prigov. Khirurgiia 33 no.10:138-143 0 '57.
(MIRA 11:2)

1. Iz kafedry normal'noy anatomii (nach. - prof. V.S.Godinov)
V.yenno-morskoy meditsinskoy akademii.
(HISTORY, MEDICAL
contribution of N.I.Pirogov (Rus))

BUKIN, Yu.V. (Leningrad, K-44, pr.K.Marksa, d.63, kv.5)

"Human anatomy" by M.F. Ivanitskii. Reviewed by IU.V.Bukin.
Arkh.anat.gist. 1 embr. 34 no.6:125-126 N-D '57. (MIRA 11:3)
(ANATOMY, HUMAN) (IVANITSKII, M.F.)

BUKIN, Yu.V. (Leningrad, K-44, pr.K. Marksa, d.63, kv.5)

History of the publication of N.I. Pirogov's work "Illustrated Topographical Anatomy of Cuts in Three Directions through the Frozen Human Body," Vest.khir. 80 no.6:127-134 Je '58 (MIRA 11:7)

1. Iz kafedry anatomii (zav. prof. A.A. Smirnov) Gosudarstvennogo ordena Lenina i ordena Krasnogo Znameni instituta fizicheskoy kul'tury im. P.F. Lesgafta.

(ANATOMY, SURGICAL AND TOPOGRAPHICAL)

BUKIN, Yu.V. (g.Leningrad, 44, Pr. Karla Marksa, d. 63, kv. 5)

History of the P.A. Zagorskii Anatomy Prize. Arkh.anat., gist.
1 embr. 35 no.5:118-120 S-0 '58 (MIRA 11:12)
(ANATOMY, hist.
in Russia, Zagorskii Anatomy Prize (Rus))

USSR/Human and Animal Morphology. Nervous System. Peri- S-3
pheral Nervous System

Abstr Jour: Ref Zhur - Biol., No 19, 1958, 88420

Author : Bukin, Yu. V.

Inst : Not Given

Title : On the Innervation of Intra-articular Menisci and
Discs.

Orig Pub: Ortopediya, travmatol. i. protezir., 1957, No. 6,
14-19

Abstract: It was demonstrated in 5 menisci of the knee joints
and 5 discs of human sternoclavicular joints pre-
pared by the impregnation method of Bil'shovskiy-
Gross, that both the menisci and discs contain rich
nervous plexuses, and a polymorphous receptor appa-
ratus. The receptors, demonstrated in the discs of
Card 1/2 the sternoclavicular joints, differ from the rece-

USSR/Human and Animal Morphology. Nervous System. Peri- S-3
pheral Nervous System

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88420

Abstract: ptors of the monisci by the greater development of
the receptor substance.

Card 2/2

BUKIN, Yu.V. (Leningrad, pr. K.Marksa, d.63, kv.5)

Evaluation by the Academy of Military Medicine of topographoanatomical writings of the end of the 19th and beginning of the 20th century. Vest.khir. 81 no.12:107-112 D '58. (MIRA 12:2)

1. Iz kafedry normal'noy anatomii (nach. - prof. V.M. Godinov)
Voyenno-morskoy meditsinskoy akademii.

(SURGERY, hist.

19th & 20th century writings of Military-Med.
Academy (Rus))

BUKIN, Yu.V. (Leningrad, K-44, pr.K.Marksa, d.63, kv.5)

"Selected problems in the morphology of the nervous system and the neural blood supply," Transactions of the Department of Normal Anatomy of the Chelyabinsk Medical Institute, 1958; "Morphological research; a collection of papers," Transactions of the Orenburg Medical Institute, no.16, 1958; "Collected papers, devoted to the 60th birthday and 25 years of pedagogical activities of P.O. Isaev in Kazakhstan, 1958; "Problems in morphology," Collected papers of the Chita Medical Institute, vol. 1, no.2, 1958. Reviewed by IU. V. Bukin. Arkh. anat. gist. i embr. 36 no.4:103-106 Ap '59. (MIRA 12:7)
(MORPHOLOGY)

BUKIN, Yu.V. (Leningrad, K-44, prosp. K.Marksa, d.63, kv.5)

"Osteoarticular modificants in young athletes" by A.I.Kurachenkov.
Reviewed by IU.V.Bukin. Arkh.anat.gist. 1 embr. 37 no.7:117-119
J1 '59. (MIRA 12:10)
(BONES) (SPORTS--HYGIENIC ASPECTS) (KURACHENKOV, A.I.)

BUKIN, Yu.V. (Leningrad, K-44, pr. K.Marksa, d.63, kv.5)

Reviews of morphological journals of the Kushenev, Smolensk, Novo-
sibirsk and Tomsk Medical Institutes. Arkh.anat.gist.i embr. 37
no.9:117 S '59. (MIRA 13:1)

(ANATOMY--PERIODICALS)

BUKIN, Yu.V. (Leningrad, K-44, pr.K. Marksa, 63, kv.5)

Survey of collected papers on morphology from the Crimean, Lvov,
and First Moscow Medical Institutes and the Leningrad (Kirov)
State Institute of Advanced Training for physicians. Arkh.anat.
gist. 1 embr. 37 no.10:112 0 '59. (MIRA 13:4)
(MORPHOLOGY)

BUKIN, Yu.V. (Leningrad prospekt K.Marksa, d.63, kv.5)

Participation of N.I. Pirogov in the Demidov Competition of the
Academy of Sciences in 1850. Vest.khir. 83 no.11:126-127 N '59.

(MIRA 13:4)

1. Iz kafedry anatomii (zav. - prof. A.A. Smirnov) Leningradskogo
ordena Lenina i ordena Krasnogo Znameni instituta fizicheskoy
kul'tury im. P.F. Lesgafta.

(BIOGRAPHIES)

(SURGERY history)

BUKIN, Ya.V. (Leningrad, K-44, pr. K. Marksa, 63 kv.5)

Activities of P.F. Lesgaft at the Academy of Military Medicine.
Arkh.anat.gist.1 embr. 37 no.12:91-100 D '59. (MIRA 13:5)

1. Kafedra anatomii (zav. - prof. A.A. Smirnov) Gosudarstvennogo
ordena Lenina i ordena Krasnogo Znameni instituta fizicheskoy
kul'tury im. P.F. Lesgafta.
(BIOGRAPHIES)

BUKIN, Yu. V. (Leningrad)

N. I. Pirogov and his views on the first project for a gymnastic institute in Russia. Sov. zdrav. 18 no.2:38-43 '59. (MIRA 12:1)

1. Iz kafedry anatomii (zav. prof. A. A. Smirnov) Gosudarstvennogo ordena Lenina i ordena Krasnogo Znameni instituta fizicheskoy kul'tury imeni P.F. Lesgafta.

(PHYSICAL EDUCATION AND TRAINING

Contribution of N.I. Pirogov. (Rus))

(BIOGRAPHIES,

Pirogov, N.I. (Rus))

BUKIN, Yu.V.

Effect of vitamin B₆ antagonists (toxopyrimidine and isonicotinyldrazine) on the contents of NH₃, glutamine, glutamic acid and -amino-butyric acids in the rat brain. Ukr.biokhim.zhur. 31 no.6:906-912 (MIRA 13:5) '59.

1. Institute of Biological and Medical Chemistry of the U.S.S.R. Academy of Medical Sciences, Laboratory of Nitrogenous Metabolism, Moscow.

(PYRIMIDINEMETHANOL)

(HYDRAZINE)

BUKIN, Yu.V.

Evaluation of anatomical microscopic research on the central nervous system at the Academy of Sciences prior to the October Revolution in 1917. Zhur.nev. i psikh. 59 no.6:744-746 '59. (MIRA 13:1)

1. Kafedra normal'noy anatomii Voyenno-morskoy meditsinskoy akademii.
(CENTRAL NERVOUS SYSTEM, anat. & histol.
micro-anat., hist. of reserarch in Russia (Rus))

BUKIN, Yu.V. (Leningrad)

Problems of physical education in the activities of the Kazan Society of Physicians during the 19th century. Sov.zdrav. 19 no.5:41-47 '60.
(MIRA 13:9)

1. Iz kafedry anatomii (zav. - prof. A.A. Smirnov) Gosudarstvennogo ordena Lenina i ordena Krasnogo Znameni instituta fizicheskoy kul'tury imeni P.F. Lesgafta.

(KAZAN---PHYSICAL EDUCATION AND TRAINING)

BUKIN, Yu.V. (Leningrad)

P.F. Lesgaff; on the 50th anniversary of his death. Sov.zdrav. 19
no.1:72-78 '60. (MIRA 13:4)
(LESGAFF, PETR FRANTSEVICH, 1837-1909)

BUKIN, Yu.V. (Leningrad)

N.I.Pirogov's work "Pathological anatomy of Asiatic cholera" and the Academy of Sciences. Sov.zdrav. 19 no.12:47-49 '60.

(MIRA 14:3)

1. Iz kafedry anatomii (zav. - prof.A.A.Smirnov) Gosudarstvennogo ordena Lenina i ordena Krasnogo Znamei instituta fizicheskoy kul'tury imeni P.F.Lesgafts.

(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)

(CHOLERA, ASIATIC)

BUKIN, Yu.V.

Convulsive and lethal action of vitamin B₆ antagonists - toxo-
pyrimidine and isonicotinyI hydrazide, Ukr.biokhim.zhur. 32
no.1:67-76 '60. (MIRA 13:6)

1. Laboratory of Nitrogenous Metabolism of the Institute of
Biological and Medical Chemistry of the Academy of Medical
Sciences of the U.S.S.R., Moscow.
(PYRIMIDINEMETHANOL) (ISONICOTINIC ACID)

BUKIN, Yu.V.

Effect of the vitamin B₆ antagonists toxypyrimidine and isonicotinyl-hydrazide on the activity of L-glutamicodecarboxylase of the brain.
Ukr.biokhim.zhur. 32 no.2:233-238 '60. (MIRA 13:11)

1. Laboratory of Nitrogenous Metabolism, Institute of Biological and Medical Chemistry of the Academy of Medical Sciences of the U.S.S.R., Moscow.

(PYRIMIDINEMETHANOL)
(ISONICOTINIC ACID)
(CODECARBOXYLASE)

BUKIN, Yu.V. (Leningrad, K-44, pr. K.Marksa, 63, kv.5)

"Large medical encyclopedia," 2nd edition. Vols.1-10. Reviewed
by IU.V. Bukin. Arkh. anat. gist. i embr. 38 no. 5:109-115 My '60.
(MIRA 14:2)

.. (MEDICINE--DICTIONARIES)

BUKIN, Yu.V.

"Problems in the vascular anatomy of the child and adult";
"Problems in morphology and physiology"; "Problems in the
morphology of the sensory innervation." Reviewed by
IU.V. Bukin. Arkh anat. gist i embr. 38 no. 6:111-113 Je '60.
(MIRA 13:12)
(ANATOMY)

BUKIN, Yu.V. (Leningrad, K-44, pr.K.Marksa, 53, kv.5)

"Problems in morphology and physiology," no.4 of the "Trudy"
of the Institute of Experimental Medicine of the Latvian Academy
of Sciences. Reviewed by IU.V.Bukin. Arkh.anat.gist.i embr.
39 no.7:110-111 J1 '60. (MIRA 14:5)
(PHYSIOLOGY)

BUKIN, Yu.V.

"Documents of the Central State Historical Archive of the U.S.S.R.
in Leningrad in the works of Soviet investigators." Reviewed by
IU.V.Bukin. Sov.zdrav. 20 no.6:94-95 '61. (MIRA 14:7)
(BIBLIOGRAPHY--MEDICINE)

BUKIN, Yu.V.; BYKOV, N.M.; VERESHCHAGINA, N.P.; KOBZIN, A.I.; OSHCHENKOV,
A.G.; SOKOLOV, N.P.

Aleksei Alekseevich Smirnov; on his 65th birthday. Arkh. anat. gist.
i ombr. 40 no.2:126-127 F '61. (MIRA 14:5)
(SMIRNOV, ALEKSEI ALEKSEEVICH, 1895-)

BUKIN, Yu.V. (Leningrad, K-44, pr.Karla Marksa, 63,kv.5)

"Surgical anatomy of the fasciae and cellular tissue spaces in man."
Reviewed by IU.V.Bukin. Arkh. anat. gist. i embr. 40 no.5:105-108 Mr
'61. (MIRA 15:4)

(ANATOMY, SURGICAL AND TOPOGRAPHICAL)